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| Bug # | Description of bug (be specific about what is not working | Location of bug (file, class, method, etc.) | Steps to recreate bug and/or Test Case # | Root cause analysis notes |
|---|---|---|---|---|
| 1 | When the election type is CPL, it will always print out all the winners instead of the name of the winning candidate within that party. | The location of the bug is in Display Class in the display method. | The bug can be tested by running a CPL election. | The root cause of the bug is that it always loops through the winner list. |
| 2 | When there are more seats than parties, the number of seats allocated does not match the total number of seats in the ballot file. | allocateSeats() method in the Election class | Run the program with the file testCPLSeatsMoreThanParty.csv | The allocateSeats() method does not fully consider all cases. |
| 3 | There are missing statistics in the Audit file | Audit class | Run the program with any test csv file. | The statistics were not calculated in the Audit class |
| 4 | The program returns NumberFormatException when the received file exists but not the ballot file. | main() method in Main class | Run the program and input the file name which is not the ballot file. | The method does not have enough exception handling. |
| 5 | The program ends the process with "File Not Found" if the user input the directory name. | main() method in Main class | Run the program and input the directory name | The method only handles FileNotFound exception. |
| 6 | The program fails to generate an audit file if the same name file is already created by this program. | audit() method in Audit class | Creates the audit file and renames to the future date and time. Then, run the program again at that time. | The method does not fully consider all scenarios. |